Initial assessment:

- Duration of infertility: coital frequency, contraceptive use
- Lifestyle issues: alcohol, smoking, bodyweight, drugs
- Medical and sexual history, physical examination

Preconceptional health:

- Folate
 - STI screening
- Rubella
- Cervical screening
- TFT
- Assessment scan

Couples are advised to get fertility investigations if:

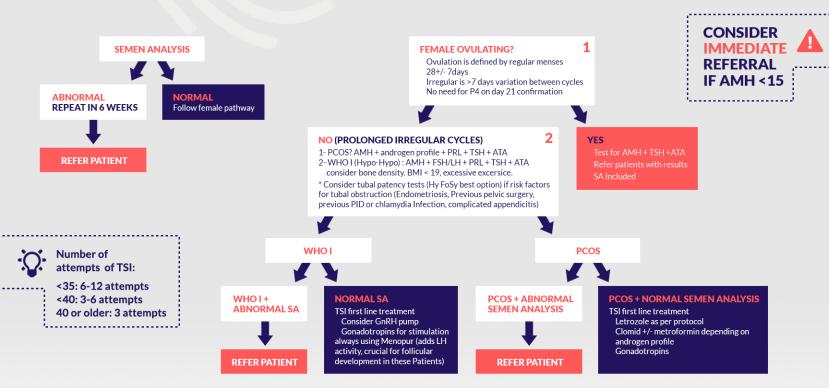


- 35 yoa or younger and 12 months of unprotected intercourse
- 36 years or older and 6 months of unprotected intercourse
- Immediately if 40 or older

Important questions to ask:



- Anxiety levels about fertility
- Number of children the couple wants

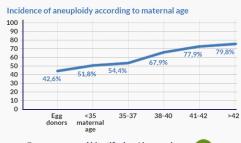


AMH Normal Values per Age 100.0 >75% Percentile: Probable PCOS 90.0 25-75% Percentile: Normal Ovarian Reserve 80.0 <25% Percentile: Low Ovarian Reserve</p> 70.0 60.0 50.0 40.0 30.0 20.0 10.0 0.0 AGE

Annual fertility rate per 100 women not using contraception 45 40 35 25 20 15 10 35-39 40-44 Annual fertility rate per 100 women not using

Maternal age and aneuploidy in blastocyst

Blastocyst biopsies and NGS cycles performed in 2016



Emryos screened identified as Abnormal



ART and perinatal outcomes

- Twins have 5-10 fold higher risks
- · Singletons: Preterm birth 2-3 fold increased
 - Small-for-gestational age 1.5 fold increased
- Perinatal death 2-fold increased
- Large-for-gestational 1.7-fold increased after frozen embryo transfer

Cut-off values of sperm parameters according to the WHO 1999 and 2010 criteria and nomenclature

	WHO 1999	WHO 2010	Nomenclature if below cut-off value	
Volume	2 ml	1.5 ml	Hypospermia*	
Sperm concentration	20x10 ⁶ spermatozoa / ml	15x10 ⁶ spermatozoa / ml	Oligozoospermia**	
Motility (A+B)***	50%	32%	Asthenozoospermia	
Morphology	30% normally formed	4% normally formed***	Teratozoospermia	



No ejaculate is aspermia
"If there are no spermatozoa in the ejaculate it is called azoospermia
"Martine are no spermatozoa in the ejaculate it is called azoospermia
"Martine" atst forward progressive. B-motility is slow progressive
""A cocifing to the Tygerberg criteria (Kurger et ol., 1988)